BICYCLE FORCE BALANCING MECHANISM WITH A BRAKE ARM ACTUATION ASSEMBLY AND A PIVOT MEMBER FOR DUAL MAIN BRAKE CABLE SEGMENTS

ABSTRACT OF THE DISCLOSURE

[0042] A dual cable force balancing mechanism for use with a pair of main brake cable segments and a pair of rear brake arms of a bicycle. The dual cable force balancing mechanism includes a brake arm actuation assembly defining a longitudinal axis positionable between the main brake cable segments. The brake arm actuation assembly is attachable to the rear brake arms. The dual cable force balancing mechanism further includes a pivot member including main attachment portions disposed about the longitudinal axis for respectively attaching the main cable segments. The pivot member is rotatably coupled to the brake arm actuation assembly for pivoting the pivot member with respect to the longitudinal axis.